DETAILED ACTION

Drawings

The drawings were received on 04/20/2010. These drawings are accepted.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

This application is in condition for allowance except for the presence of claims 13-16 and 18 directed to non-elected without traverse. Accordingly, claims 13-16 and 18 are cancelled.

2. Authorization for this examiner's amendment below was given in a telephone interview with Juan Carlos A. Marquez and Eric Wright on 05/14/2010.

Re Claim 4, in line 3, delete "forming joining material" and insert -- forming said film of joining material --.

Re Claim 7, in line 2, delete "a light-emitting layer" and insert -- the light emitting layer --. Also, in line 3, delete "with thickness" and insert -- with a thickness --.

Re Claim 12, in line 3, delete "larger than thickness of the joining material film" and insert -- larger than a thickness of the film of joining material --.

Replace Claim 1 as shown below:

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Claim 1. A method for producing a light-emitting device comprising:

a step of electrically connecting a first electrode provided on a light-emitting layer of a light-emitting element and a first lead of a lead frame so that the first electrode is opposite to an element mounting part of the first lead, wherein said light-emitting layer is provided on a main surface of a semiconductor substrate;

a step of electrically connecting a second electrode provided on a rear surface of the semiconductor substrate, and a second lead of said lead frame;

a step of forming a film of joining material made of an alloy or a single metal on the first electrode of said light-emitting element, in advance of the step of electrically connecting the first electrode and said first lead; and

a step of forming a pattern on the element mounting part to reduce spreading of said joining material, in advance of the step of electrically connecting the first electrode of said light-emitting element and said first lead,

wherein in the step of electrically connecting the first electrode and the first lead, the film of joining material is contacted with the element mounting part under conditions that a temperature of the element mounting part has been raised to not lower than a melting point of the film of joining material, and that a temperature of the light-emitting element is kept at not higher than the melting point of the film of joining material.

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Allowable Subject Matter

3. **Claims 1, 3-12, and 19** are allowed.

Reasons for Allowance

4. The following is an examiner's statement of reasons for allowance:

Re Claim 1, the prior art of record, alone or in combination, and to the examiner's knowledge does not teach, disclose, suggest, or render obvious, at least to the skilled artisan, the instant invention regarding a method for producing a light-emitting device, particularly characterized by producing the light-emitting device in combination with a step of forming a film of joining material made of an alloy or a single metal on the first electrode of said light-emitting element, in advance of the step of electrically connecting the first electrode and said first lead, wherein in the step of electrically connecting the first electrode and the first lead, the film of joining material is contacted with the element mounting part under conditions that a temperature of the element mounting part has been raised to not lower than a melting point of the film of joining material, and that a temperature of the light-emitting element is kept at not higher than the melting point of the film of joining material. Claims 3-12 and 19, which depend from claim 1, are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL WHALEN whose telephone number is (571)270-3418. The examiner can normally be reached on Monday-Friday, 7:30am to 5:00pm, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ha Nguyen can be reached on (571) 272-1678. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/D. W./
Examiner, Art Unit 2829
05/14/2010

Daniel Whalen

/Ha T. Nguyen/
Supervisory Patent Examiner, Art Unit 2829